GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 7, 2005, 07:07:07 ; Search time 17.7935 Seconds
(without alignments)
1072.560 Million cell updates/sec

Title: US-09-939-537-35
Perfect score: 288
Sequence: 1 PRASALPAPPTGSALPDPQT.....VISPLLGLGLGVACVLARTR 58

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1391452 seqs, 329044822 residues

Total number of hits satisfying chosen parameters: 1391452

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	288	100.0	58	10	US-09-939-537-35	Sequence 35, Appl
2	284	98.6	240	9	US-09-997-165-2	Sequence 2, Appli
3	85	29.5	369	14	US-10-156-761-12928	Sequence 12928, A
4	84.5	29.3	177	16	US-10-767-701-39501	Sequence 39501, A
5	81.5	28.3	151	15	US-10-424-599-278503	Sequence 278503,
6	81.5	28.3	199	15	US-10-291-172-727	Sequence 727, App
7	81.5	28.3	199	15	US-10-221-278-727	Sequence 727, App
8	81.5	28.3	1149	9	US-09-969-528-5	Sequence 5, Appli
9	81	28.1	512	15	US-10-263-929-103	Sequence 103, App
10	80	27.8	154	16	US-10-437-963-181364	Sequence 181364,
11	79.5	27.6	196	15	US-10-424-599-238323	Sequence 238323,
12	79.5	27.6	796	15	US-10-377-079-2	Sequence 2, Appli
13	79	27.4	85	16	US-10-437-963-197659	Sequence 197659,
14	78	27.1	116	9	US-09-864-761-40290	Sequence 40290, A
15	77.5	26.9	192	15	US-10-108-260A-2770	Sequence 2770, Ap
16	77.5	26.9	466	16	US-10-437-963-195119	Sequence 195119,
17	77	26.7	138	16	US-10-437-963-185069	Sequence 185069,
18	77	26.7	268	16	US-10-437-963-156922	Sequence 156922,
19	77	26.7	293	16	US-10-767-701-39965	Sequence 39965, A
20	76.5	26.6	103	16	US-10-437-963-170684	Sequence 170684,
21	76.5	26.6	408	16	US-10-437-963-184023	Sequence 184023,
22	76	26.4	204	16	US-10-767-701-42118	Sequence 42118, A
23	75	26.0	2111	16	US-10-437-963-118967	Sequence 118967,
24	74.5	25.9	147	16	US-10-437-963-125732	Sequence 125732,
25	74.5	25.9	174	16	US-10-437-963-181197	Sequence 181197,
26	74.5	25.9	326	15	US-10-369-493-2559	Sequence 2559, Ap
27	74.5	25.9	762	16	US-10-437-963-182762	Sequence 182762,
28	74.5	25.9	772	16	US-10-467-506A-14	Sequence 14, Appl
29	74	25.7	710	15	US-10-104-047-3402	Sequence 3402, Ap
30	74	25.7	1003	15	US-10-094-749-2528	Sequence 2528, Ap
31	74	25.7	1003	16	US-10-476-397-3	Sequence 3, Appli
32	73.5	25.5	95	16	US-10-437-963-138197	Sequence 138197,
33	73.5	25.5	189	16	US-10-767-701-45574	Sequence 45574, A
34	73.5	25.5	463	16	US-10-473-670-5	Sequence 5, Appli
35	73.5	25.5	515	16	US-10-437-963-169499	Sequence 169499,
36	73.5	25.5	555	16	US-10-437-963-203630	Sequence 203630,
37	73.5	25.5	598	15	US-10-282-122A-51398	Sequence 51398, A
38	73.5	25.5	868	16	US-10-437-963-171781	Sequence 171781,
39	73.5	25.5	1507	16	US-10-437-963-143963	Sequence 143963,
40	73.5	25.5	1744	15	US-10-291-172-260	Sequence 260, App
41	73.5	25.5	1744	15	US-10-221-278-260	Sequence 260, App
42	73.5	25.5	1744	16	US-10-408-765A-2200	Sequence 2200, Ap
43	73.5	25.5	1943	15	US-10-092-900A-264	Sequence 264, App
44	73.5	25.5	2053	16	US-10-476-397-1	Sequence 1, Appli
45	73	25.3	88	16	US-10-437-963-143132	Sequence 143132,

ALIGNMENTS

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RESULT 1
US-09-939-537-35
; Sequence 35, Application US/09939537
; Publication No. US20030138410A1
;  GENERAL INFORMATION:
;       APPLICANT: Seed, Brian
;                  Banapour, Babak
;                  Romeo, Charles
;                  Kolanus, Waldemar
;       TITLE OF INVENTION: TARGETED CYTOLYSIS OF HIV-INFECTED
;                           CELLS BY CHIMERIC CD4 RECEPTOR- BEARING CELLS
;       NUMBER OF SEQUENCES: 53
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Clark & Elbing LLP
;            STREET: 176 Federal Street
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02110
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/939,537
;            FILING DATE: 24-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/284,391
;            FILING DATE: 02-AUG-1994
;            APPLICATION NUMBER: 08/195,395
;            FILING DATE: 14-FEB-1994
;            APPLICATION NUMBER: 07/847,566
;            FILING DATE: 06-MAR-1992
;            APPLICATION NUMBER: 07/665,961
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;            FILING DATE: 07-MAR-1991
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Elbing, Karen L
;            REGISTRATION NUMBER: 35,238
;            REFERENCE/DOCKET NUMBER: 00786/247001
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 617-428-0200
;            TELEFAX: 617-428-7045
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 35:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 58 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-939-537-35

  Query Match             100.0%;  Score 288;  DB 10;  Length 58;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-20;
  Matches   58;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 2
US-09-997-165-2
; Sequence 2, Application US/09997165
; Patent No. US20020141999A1
; GENERAL INFORMATION:
;  APPLICANT: Lyman, Stewart D.
;  APPLICANT:  Fanslow, William C.
;  TITLE OF INVENTION: LIGAND FOR CD7 AND METHODS OF USE THEREOF
;  FILE REFERENCE: 2913-US
;  CURRENT APPLICATION NUMBER: US/09/997,165
;  CURRENT FILING DATE:  2001-11-27
;  PRIOR APPLICATION NUMBER: PCT/US00/14612
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: 60/136,450
;  PRIOR FILING DATE: 1999-05-28
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 240
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-997-165-2

  Query Match             98.6%;  Score 284;  DB 9;  Length 240;
  Best Local Similarity   98.3%;  Pred. No. 2.6e-19;
  Matches   57;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

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              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||:
Db        147 PRASALPAPPTGSALPDPQTASALPDPPAASALPAALAVISFLLGLGLGVACVLARTQ 204


RESULT 3
US-10-156-761-12928
; Sequence 12928, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
;  APPLICANT: OMURA, SATOSHI
;  APPLICANT:  IKEDA, HARUO
;  APPLICANT:  ISHIKAWA, JUN
;  APPLICANT:  HORIKAWA, HIROSHI
;  APPLICANT:  SHIBA, TADAYOSHI
;  APPLICANT:  SAKAKI, YOSHIYUKI
;  APPLICANT:  HATTORI, MASAHIRA
;  TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
;  FILE REFERENCE: 249-262
;  CURRENT APPLICATION NUMBER: US/10/156,761
;  CURRENT FILING DATE:  2002-05-29
;  PRIOR APPLICATION NUMBER: JP 2001-204089
;  PRIOR FILING DATE: 2001-05-30
;  PRIOR APPLICATION NUMBER: JP 2001-272697
;  PRIOR FILING DATE: 2001-08-02
;  NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 12928
;   LENGTH: 369
;   TYPE: PRT
;   ORGANISM: Streptomyces avermitilis
US-10-156-761-12928

  Query Match             29.5%;  Score 85;  DB 14;  Length 369;
  Best Local Similarity   47.2%;  Pred. No. 3.1;
  Matches   17;  Conservative    6;  Mismatches   13;  Indels    0;  Gaps    0;

Qy          1 PRASALPAPPTGSALPDPQTASALPDPPAASALPAA 36
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Db        316 PGAAAVPGAPTATAAPSVPTATAAPTVPGATAAPSA 351


RESULT 4
US-10-767-701-39501
; Sequence 39501, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
;  APPLICANT: Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants and Uses Thereof For Plant Improvement
;  FILE REFERENCE: 38-21(53535)B
;  CURRENT APPLICATION NUMBER: US/10/767,701
;  CURRENT FILING DATE:  2004-01-29
;  NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 39501
;   LENGTH: 177
;   TYPE: PRT
;   ORGANISM: Sorghum bicolor
;   FEATURE:
;   OTHER INFORMATION: Clone ID: SORBI-28MAY03-C17371_1.pep
US-10-767-701-39501

  Query Match             29.3%;  Score 84.5;  DB 16;  Length 177;
  Best Local Similarity   51.4%;  Pred. No. 1.6;
  Matches   18;  Conservative    5;  Mismatches   11;  Indels    1;  Gaps    1;

Qy          1 PRASALPAPPTGSALPDPQTASALPDPPAASALPA 35
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Db         96 PPATAAPPPPPAAATPAPPPATSAP-PPAAAATPA 129


RESULT 5
US-10-424-599-278503
; Sequence 278503, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
;  APPLICANT: La Rosa Thomas J
;  APPLICANT:  Kovalic David K
;  APPLICANT:  Zhou Yihua
;  APPLICANT:  Cao Yongwei
;  TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants and Uses Thereof for Plant Improvement
;  FILE REFERENCE: 38-21(53223)B
;  CURRENT APPLICATION NUMBER: US/10/424,599
;  CURRENT FILING DATE:  2003-04-28
;  NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 278503
;   LENGTH: 151
;   TYPE: PRT
;   ORGANISM: Glycine max
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;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT3847_93510C.1.pep
US-10-424-599-278503

  Query Match             28.3%;  Score 81.5;  DB 15;  Length 151;
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RESULT 6
US-10-291-172-727
; Sequence 727, Application US/10291172
; Publication No. US20030228584A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: No. US20030228584A1el Nucleic Acids and Polypeptides
;  FILE REFERENCE: 21272-045
;  CURRENT APPLICATION NUMBER: US/10/291,172
;  CURRENT FILING DATE:  2000-11-08
;  PRIOR APPLICATION NUMBER: 09/693,267
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 09/665,363
;  PRIOR FILING DATE: 2000-09-19
;  PRIOR APPLICATION NUMBER: 09/616,847
;  PRIOR FILING DATE: 2000-07-14
;  PRIOR APPLICATION NUMBER: 09/596,193
;  PRIOR FILING DATE: 2000-06-17
;  PRIOR APPLICATION NUMBER: 09/574,454
;  PRIOR FILING DATE: 2000-05-19
;  PRIOR APPLICATION NUMBER: 09/519,705
;  PRIOR FILING DATE: 2000-03-07
;  NUMBER OF SEQ ID NOS: 752
; SEQ ID NO 727
;   LENGTH: 199
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(199)
;   OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-291-172-727

  Query Match             28.3%;  Score 81.5;  DB 15;  Length 199;
  Best Local Similarity   47.9%;  Pred. No. 3.5;
  Matches   23;  Conservative    3;  Mismatches   11;  Indels   11;  Gaps    3;

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Db         84 PRAARLPRPPPGPRPPPPATPRPPPPQLPALP-PPAAAALRGMPGAVA 130


RESULT 7
US-10-221-278-727
; Sequence 727, Application US/10221278
; Publication No. US20040034208A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: No. US20040034208A1el Nucleic Acids and Polypeptides
;  FILE REFERENCE: 21272-045
;  CURRENT APPLICATION NUMBER: US/10/221,278
;  CURRENT FILING DATE:  2002-09-06
;  PRIOR APPLICATION NUMBER: 09/693,267
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 09/665,363
;  PRIOR FILING DATE: 2000-09-19
;  PRIOR APPLICATION NUMBER: 09/616,847
;  PRIOR FILING DATE: 2000-07-14
;  PRIOR APPLICATION NUMBER: 09/596,193
;  PRIOR FILING DATE: 2000-06-17
;  PRIOR APPLICATION NUMBER: 09/574,454
;  PRIOR FILING DATE: 2000-05-19
;  PRIOR APPLICATION NUMBER: 09/519,705
;  PRIOR FILING DATE: 2000-03-07
;  NUMBER OF SEQ ID NOS: 752
; SEQ ID NO 727
;   LENGTH: 199
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(199)
;   OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-221-278-727

  Query Match             28.3%;  Score 81.5;  DB 15;  Length 199;
  Best Local Similarity   47.9%;  Pred. No. 3.5;
  Matches   23;  Conservative    3;  Mismatches   11;  Indels   11;  Gaps    3;

Qy          1 PRASALPAPPTGSALPDPQT-------ASALPDPPAASAL---PAALA 38
              |||: || || |   | | |         ||| ||||:||   | |:|
Db         84 PRAARLPRPPPGPRPPPPATPRPPPPQLPALP-PPAAAALRGMPGAVA 130


RESULT 8
US-09-969-528-5
; Sequence 5, Application US/09969528
; Patent No. US20020150567A1
;   GENERAL INFORMATION:
;        APPLICANT: Pot, David A.
;                   Williams, Lewis T.
;                   Jefferson, Anne Bennett
;                   Majerus, Philip W.
;        TITLE OF INVENTION: No. US20020150567A1el Grb2 Associating Protein and Nucleic
;                            Acids Encoding Therefor
;        NUMBER OF SEQUENCES: 10
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew
;             STREET: One Market Plaza, Steuart Tower, Suite 2000
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94105
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/969,528
;             FILING DATE: 01-Oct-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/560,005
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Dow, Karen B.
;             REGISTRATION NUMBER: 29,684
;             REFERENCE/DOCKET NUMBER: 2307K-0624000
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415-326-2400
;             TELEFAX: 415-326-2422
;   INFORMATION FOR SEQ ID NO: 5:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 1149 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        FEATURE:
;             NAME/KEY:  Region
;             LOCATION:  1..1149
;             OTHER INFORMATION:  /note= "51c"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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US-09-969-528-5

Query Match 28.3%; Score 81.5; DB 9; Length 1149;
Best Local Similarity 45.0%; Pred. No. 22;
Matches 27; Conservative 6; Mismatches 16; Indels 11; Gaps 5;

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Db         78 PRALAPPAFLPPTGPSSPLPAPET----PTAPAAESAPNGLSTVSHDYLKGSYGLDLEAV 133
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RESULT 9
US-10-263-929-103
; Sequence 103, Application US/10263929
; Publication No. US20040067535A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Alzheimer's Disease Linked Genes
; FILE REFERENCE: LSD-07417
; CURRENT APPLICATION NUMBER: US/10/263,929
; CURRENT FILING DATE: 2002-10-03
; NUMBER OF SEQ ID NOS: 213
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 103
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-263-929-103

Query Match 28.1%; Score 81; DB 15; Length 512;
Best Local Similarity 47.2%; Pred. No. 10;
Matches 17; Conservative 4; Mismatches 15; Indels 0; Gaps 0;

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Qy          3 ASALPAPPTGSALPDPQTASALPDPPAASALPAALA 38
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Db        173 AAAAPAAPAAAPAPAPAAAAAPPPPPPPAAAPAAAA 208
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RESULT 10
US-10-437-963-181364
; Sequence 181364, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 181364
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(154)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_78645C.1.pep
US-10-437-963-181364

Query Match 27.8%; Score 80; DB 16; Length 154;
Best Local Similarity 44.1%; Pred. No. 3.7;
Matches 15; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

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Qy          1 PRASALPAPPTGSALPDPQTASALPDPPAASALP 34
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Db         21 PSVAAPPPPPSATASPPPPSAAPPPPPPSAAAPP 54
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RESULT 11
US-10-424-599-238323
; Sequence 238323, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 238323
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(196)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_57230C.1.pep
US-10-424-599-238323

Query Match 27.6%; Score 79.5; DB 15; Length 196;
Best Local Similarity 26.6%; Pred. No. 5.3;
Matches 17; Conservative 16; Mismatches 18; Indels 13; Gaps 2;

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Qy          1 PRASALPAPPTGSALPDPQTASA----------LPDPPAASALPAALAVISFLLGLGLGV 50
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Db        101 PPSTSPPSPPSGGSTPSPPSRSSPSPPSGSSPTTPSPPSSSSSSISTGVV---VGIAVGA 157

Qy         51 ACVL 54
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Db        158 GAVL 161
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RESULT 12
US-10-377-079-2
; Sequence 2, Application US/10377079
; Publication No. US20030236395A1
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: PR-Domain Containing Nucleic Acids, Polypeptides,
; TITLE OF INVENTION: Antibodies and Methods
; FILE REFERENCE: P-LJ 3611
; CURRENT APPLICATION NUMBER: US/10/377,079
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US/09/389,956.
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 796
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-377-079-2

Query Match 27.6%; Score 79.5; DB 15; Length 796;
Best Local Similarity 43.4%; Pred. No. 23;
Matches 23; Conservative 9; Mismatches 14; Indels 7; Gaps 3;

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Qy          6 LPAPPTGSALPDPQTASALPD-PPAASALPAALAVISFLLGLGL---GVACVL 54
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Db         31 LAASPTHSAIPAPGLPVAIPNLGPSLSSLPSAL---SLMLPMGIGDRGVMCGL 80


RESULT 13
US-10-437-963-197659
; Sequence 197659, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT:  Kovalic, David K.
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  APPLICANT:  Wu, Wei
;  APPLICANT:  Boukharov, Andrey A.
;  APPLICANT:  Barbazuk, Brad
;  APPLICANT:  Li, Ping
;  TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants and Uses Thereof for Plant Improvement
;  FILE REFERENCE: 38-21(53221)B
;  CURRENT APPLICATION NUMBER: US/10/437,963
;  CURRENT FILING DATE:  2003-05-14
;  NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 197659
;   LENGTH: 85
;   TYPE: PRT
;   ORGANISM: Oryza sativa
;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT4530_93397C.1.pep
US-10-437-963-197659

  Query Match             27.4%;  Score 79;  DB 16;  Length 85;
  Best Local Similarity   50.0%;  Pred. No. 2.5;
  Matches   17;  Conservative    1;  Mismatches   16;  Indels    0;  Gaps    0;

Qy          1 PRASALPAPPTGSALPDPQTASALPDPPAASALP 34
              ||   || ||    || || |:||  |||    |
Db         38 PRPPTLPPPPAPHVLPLPQAAAALTRPPALVPQP 71


RESULT 14
US-09-864-761-40290
; Sequence 40290, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 40290
;   LENGTH: 116
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC019159.3
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.7
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 5.1
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.3
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.5
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.6
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.6
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.2
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4
US-09-864-761-40290

  Query Match             27.1%;  Score 78;  DB 9;  Length 116;
  Best Local Similarity   41.0%;  Pred. No. 4.2;
  Matches   16;  Conservative    6;  Mismatches   17;  Indels    0;  Gaps    0;

Qy          1 PRASALPAPPTGSALPDPQTASALPDPPAASALPAALAV 39
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Db         50 PLSPPLPRPPPSSSPPPPSPSSSPPSPPPPSAPPSPSAL 88


RESULT 15
US-10-108-260A-2770
; Sequence 2770, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
;  APPLICANT: HELIX RESEARCH INSTITUTE
;  TITLE OF INVENTION: No. US20040005560A1el full length cDNA
;  FILE REFERENCE: H1-A0106
;  CURRENT APPLICATION NUMBER: US/10/108,260A
;  CURRENT FILING DATE:  2002-03-27
;  NUMBER OF SEQ ID NOS: 5458
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2770
;   LENGTH: 192
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-108-260A-2770

  Query Match             26.9%;  Score 77.5;  DB 15;  Length 192;
  Best Local Similarity   46.8%;  Pred. No. 8;
  Matches   22;  Conservative    2;  Mismatches   18;  Indels    5;  Gaps    2;

Qy          4 SALPAPPTGSALPDPQTASALPDPPAASALPAALAVISFLLGLGLGV 50
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Db         57 SRAPTPP-ASGLPNPAGARFSPPRPAASLLPAT----PLPLGLGLSL 98


Search completed: March  7, 2005, 07:28:13
Job time : 18.7935 secs
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